



Culpeper County and the Town of Culpeper

Water Source Overview

Major sources include Lake Pelham and groundwater wells.

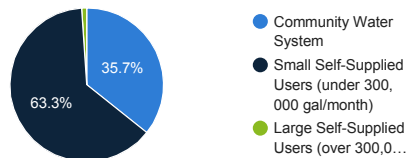
***Table 1:** Reported (2010) and projected (2040) water use by system type for Culpeper County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	2.181	5.036
Small Self-Supplied Users (under 300,000 gal/month)	3.866	3.886
Large Self-Supplied Users (over 300,000 gal/month)	0.063	0.114

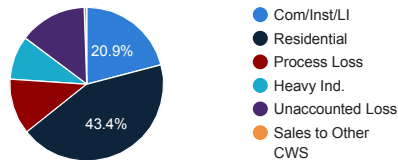
Water Use by System Type

Approximately 32,050 people use private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

***Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



***Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



***Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Culpeper County in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
4.12	1.99	4.34	4.69

***Figure 3:** Culpeper County highlighted in the Commonwealth of Virginia



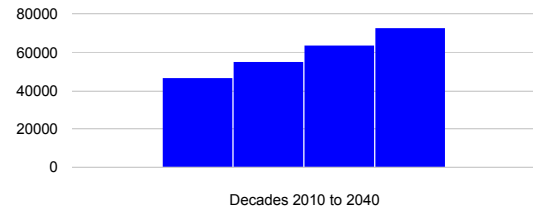
Projected Water Demand

Population and demand are projected to increase through the planning period of 2040. Existing water sources are expected to meet projected water demand.

***Table 3:** Culpeper County population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/20/13)

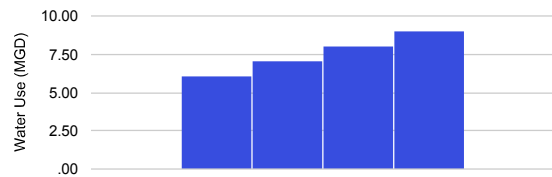
2010	2020	2030	2040	% Change (2010-2040)
46,689	55,102	63,614	72,835	56.5%

***Figure 4:** Culpeper County population projections by decade for 2010, 2020, 2030 & 2040



***Table 4 & Figure 5:** Culpeper County water demand trends by decade for 2010, 2020, 2030 & 2040 in MGD

Reported Use 2010 MGD	Projected Use 2020 MGD	Projected Use 2030 MGD	Projected Use 2040 MGD	Percent Change (2010-2040)
6.11	7.08	8.06	9.04	47.9%



Drought Management Practices

The County of Culpeper indicates that they will adopt an emergency ordinance to enforce the Drought Response and Contingency Plan. The Town of Culpeper intends to adopt an emergency ordinance to enforce the water conservation policy. (Culpeper County and Town Regional WSP)